

CLAIMS

1. A rectal cleaning apparatus (A) which operates by the washing water pressure and spring force, characterized by including empty cylindrical lower body (15);
5 empty cylindrical upper body (2) linked to lower body (15); the rectal cleaning pipe (16) which activates by moving forward with the help of water pressure for the washing operation; the pressure spring (6) which gets the rectal cleaning pipe (16) passive by pushing the rectal cleaning pipe (16) backward after the washing operation; the impermeable felt (5); one mobile stopper (3);
10 the o-ring (10); the gasket (18) and one or more rectal cleaning exit nozzle (20) connected to the rectal cleaning pipe (16).
2. A lower body (15) of the rectal cleaning apparatus (A) according to claim 1, characterized by having an empty cylindrical form and including one or more
15 than one lower body connection lug (17) on one end for the connection to the upper body (2), the lower body protrude a (8) close to the other end composed by a narrowing diameter, in addition to this, the lower body protrude b (9) composed by a second narrowing of diameter where one end of the pressure spring (6) leans and in other end the lower body stopper (12)
20 composed by a narrowing of diameter, the lower body pipe exit (30), lower body o-ring operation surface (26) located between the lower body protrude b (9) and lower body stopper (12), the lower body water access (13) linked to lower body o-ring operation surface (26), the front hole (25) where the pressure spring (6) rests, the back hole (24) at the side of upper body, the
25 fixing strut (21) in the form of a protrude located outside the lower body (15) and which facilitate the installation of the rectal cleaning apparatus (A).
3. An upper body (2) of the rectal cleaning apparatus (A) according to claim 1, characterized by having an empty cylindrical body which's one of its ends is
30 closed and the other one is open; being connected to the lower body connection lugs (17) in lower body (15) by one or more than one upper body connection lugs (31) from its open end side and including the upper body water access (1) which serves to get the rectal cleaning apparatus (A) activated (fully active) by pushing the rectal cleaning pipe (16) forward by
35 water pressure.

4. A rectal cleaning pipe (16) of the rectal cleaning apparatus (A) according to claim 1, characterized by including the water exit drain (14) lying along inside it, the protrude spring dwelling surface (7) located in the middle of rectal cleaning pipe (16) and where one end of the pressure spring (6) leans; one or more than one rectal cleaning exit nozzle (20) placed at one end of the rectal cleaning pipe (16) which is linked to the water exit drain (14); the o-ring drain (27); the gasket slot (32); the water access drain hole (11) located between the o-ring drain (27) and gasket slot (32) which links the water coming from the lower body water access (13) to the water exit drain (14); impermeable felt dwelling surface a (33) and impermeable felt dwelling surface b (34); the pipe backward stopper (4).
5. A rectal cleaning exit nozzle (20) on the rectal cleaning pipe (16) according to claim 4, characterized by having mono porose form and letting the water used to gush without spreading.
6. An o-ring drain (27) placed on the rectal cleaning pipe (16) according to claim 4 and where the o-ring (10) rests, characterized by its position to become equivalent to the lower body o-ring operation surface (26) when the rectal cleaning pipe (16) is activated (full open) by being pushed forward the pressure of the water coming from the upper body water access (1).
7. A gasket slot (32) on the rectal cleaning pipe (16) according to claim 4 and where the gasket (18) is placed, characterized by its position to let the gasket (18) to lean against the lower body stopper (12) when the rectal cleaning pipe (16) is activated (full open) by being pushed forward the pressure of the water coming from the upper body water access (1).
8. An impermeable felt dwelling surface a (33) and an impermeable felt dwelling surface b (34) on the rectal cleaning pipe (16) according to claim 4 and where the impermeable felt (5) rests, characterized by locating at the upper body (2) part of the rectal cleaning pipe (16) and prevent the impermeable felt (5) to move.

9. A pipe backward stopper (4) on the rectal cleaning pipe (16) according to claim 4, characterized by being integrated with the impermeable felt dwelling surface b (34); both including and saving the mobile stopper (3) and at the same time let the rectal cleaning pipe (16) stay leaned against the upper body (2) when the rectal cleaning pipe (16) gets into passive mode by being pushed backward by the pressure spring (6).

10. A mobile stopper on the rectal cleaning apparatus (A) according to claim 1, characterized by including a long cylindrical body; a mobile stopper protrude (37) that divides this cylindrical body into two as mobile stopper long part (35) and mobile stopper short part (36) and protects the water pressure at the back hole (24) by preventing the water flow from the back hole (24) to the water exit drain (14) and placing the mobile stopper long part (35) into the pipe backward stopper (4) part of the water exit drain (14).

11. A rectal cleaning apparatus (A) according to claim 1, characterized by its feature is that the connection of the water coming via three way valve in the closet system through the feeding pipe (23) with the help of a T piece (22) to the upper body water access (1) of the rectal cleaning apparatus (A) with the upper body water flow hose (28) and to the lower body water access (13) with the lower body water flow hose (29).

12. A bidet (B) which operates by the pressure of the washing water and spring force, characterized by including an empty cylindrical lower body (15) according to claim 2; an empty cylindrical upper body (2) according to claim 3, which is connected to the lower body (15); a bidet pipe (39) which activates for the washing operation by moving forward with the help of water pressure in the lower body (15); the bidet pressure spring (40) located on the bidet pipe (39) and which let the bidet pipe (39) to get back to the passive mode by pushing it backward following the washing operation; an impermeable felt (5); a mobile stopper (3) according to claim 10; an o-ring (10); a gasket (18) and one or more then one bidet exit nozzle (20) linked to the bidet pipe (16).

13. A bidet (B) according to claim 12, characterized by including the mechanical parts of features constituting the rectal cleaning apparatus (A) according to

claims 1-11 and beside these, the utilization of the bidet pressure spring dwelling surface (38) instead of spring dwelling surface (7), bidet pipe (39) instead of rectal cleaning pipe (16), bidet pressure spring (40) instead of pressure spring (6) and bidet exit nozzle (19) instead of rectal cleaning exit nozzle (20).

14. A bidet pipe (39) of the bidet (B) according to claim 12, characterized by including the water exit drain (14) lying along inside it; the bidet pressure spring dwelling surface (38) where one end of the bidet pressure spring (40) leans and which is the surface of the impermeable felt dwelling surface a (33) looking to the front hole (25); one or more than one bidet exit nozzle (19) located at one end of the bidet pipe (39) and which is linked to the water exit drain (14); an o-ring drain (27) according to claim 6; a gasket slot (32) according to claim 7; the water access drain hole (11) located between the o-ring drain (27) and the gasket slot (32) and which links the water flow coming from the lower body water access (13) to the water exit drain (14); the impermeable felt dwelling surface a (33) and the impermeable felt dwelling surface b (34); the pipe backward stopper (4).

15. A bidet pipe (39) according to claim 14, characterized by the feature of moving forward longer than the rectal cleaning pipe (16) by the fact that the bidet pressure spring dwelling surface (38) on the bidet pipe (39) is more backward relative to the spring dwelling surface (7) on the rectal cleaning pipe (16) and that the bidet pressure spring (40) is longer than the pressure spring (6) of the rectal cleaning apparatus (A) according to claim 1.

16. One or more than one bidet exit nozzle (19) of the bidet pipe (39) according to claim 14, characterized by having an exit with an angle which let the usage water to gush out by spreading due to the little holes in the nozzle.

17. A bidet (B) according to claim 12, characterized by its feature is that the connection of the water coming via three way valve in the closet system through the feeding pipe (23) with the help of a T piece (22) to the upper body water access (1) of the bidet (B) with the upper body water flow hose (28)

and to the lower body water access (13) with the lower body water flow hose (29).

18. A rectal cleaning apparatus (A) according to claim 1, characterized by having the below features and/or phases regarding to its operation methods:

- i. The coming out of the rectal cleaning pipe (16) from the rectal cleaning apparatus (A) hidden in the closet system by the water coming from the upper body water access (1) filling into the back hole (24) and pushing the rectal cleaning pipe (16) forward by exceeding the force of the pressure spring (6),
- ii. The prevention of the compressed water in the back hole (24) to pass into the front hole (25) due to the impermeable felt (5),
- iii. Time saving during the opening and getting into operation of the rectal cleaning pipe (16) due to the impermeability features of the mobile stopper (3) and impermeable felt (5) without the loss of pressure,
- iv. The leaning of the spring dwelling surface (7) of the rectal cleaning pipe (16) which is activated (fully open), to the lower body protrude a (8) and the compression of the pressure spring (6) between the lower body protrude a (8) and the lower body protrude b (9).
- v. The prevention of leakage of the water entering from the lower body water access (13) through the lower body pipe exit (30) with the help of the gasket (18) which is on the activated (fully open) rectal cleaning pipe (16), leaning to the lower body stopper (12),
- vi. The prevention of the leakage to the front hole (25) of the water coming from the lower body water access (13) with the help of o-ring (10) placed in the o-ring drain (27) which is on the rectal cleaning pipe (16) which leans to the lower body o-ring operation surface (26) in a impermeable way when the rectal cleaning pipe (16) gets activated (fully open),
- vii. The interception of the axis of water access drain hole (11) located on the rectal cleaning pipe (16) and the lower body water access (13) when the rectal cleaning pipe (16) gets activated (fully open) and the arrival of the water coming from the lower body water access (13) through the water access drain hole (11) meeting the lower body water

access (13) to the water exit drain (14) located in the rectal cleaning pipe (16),

viii. The prevention of the water coming from the upper body water access (1) to reach the water exit drain (14) due to the mobile stopper (3),

ix. The water flow in the lower body water flow hose (29) connected to the lower body water access (13), is only in the form of leakage before the rectal cleaning pipe (16) gets activated or fully open.

x. To provide the normal regime water flow, in other words the water flow required for the rectal cleaning and washing by the water which does not leak out from lower body pipe exit (30) with the help of the gasket (18) and to the front hole (25) with the help of the o-ring (10), accessing to the water access drain hole (11) and to water exit drain (14) from the lower body water access (13), passing through the water exit drain (14), getting out from the rectal cleaning exit nozzle (20).

19. A bidet (B) according to claims 12-13, characterized by having the same features and/or phases regarding its operation methods as the features and/or phases regarding the operation methods according to claim 18 belonging to the rectal cleaning apparatus (A) according to claim 1.

20. A rectal cleaning apparatus (A) according to claim 1, characterized by its feature is that as soon as the normal flow water reaches to the upper body water access (1), the water reaches also to the lower body water access (13) as a leakage; at this position, locating the water access drain hole (11) on the rectal cleaning pipe (16) which is not activated (fully open) yet, is more backward relative to the lower body water access (13) and the water leaking to the front hole (25) reaches the water access drain hole (11), passing through the water exit drain (14) and coming out by leaking via the rectal cleaning exit nozzle (20) and rectal cleaning pipe (16) with the help of the gasket (18) which leans to the lower body stopper (12) and preventing the closure of the lower body pipe exit (30); getting greasy of the rectal cleaning pipe (16) and coming out of the rectal cleaning pipe (16) from the lower body pipe exit (30) easier and quicker by the leakage on the rectal cleaning pipe (16), also ensuring the cleaning of the outer surface of the rectal cleaning pipe (16) before the usage by this feature.

21. A rectal cleaning apparatus (A) according to claim 1, characterized by getting clean of the outer surface of the rectal cleaning pipe (16) after the usage while the rectal cleaning apparatus (A) gets into passive mode, by the method comprising the steps of; the pressure spring (6) push the rectal cleaning pipe (16) backwards; the o-ring (10) split from the lower body o-ring operation surface (26); the water in the lower body water access (13), passing through the front hole (25) is evacuated from the rectal cleaning exit nozzle (20) by passing through the water access drain hole (11) and water exit drain (14) meanwhile the gasket (18) split from the lower body stopper (12) and water gets out by leaking from the lower body pipe exit (30).
22. A bidet (B) according to claim 12, characterized by its feature is that as soon as the normal flow water reaches to the upper body water access (1), the water reaches to the lower body water access (13) as a leakage; at this position, the water access drain hole (11) located on the bidet pipe (39) which is not activated yet is being more backwards relative to the lower body water access (13) and the water leaks first to the front hole (25), then reaches to the water access drain hole (11) and passes through the water exit drain (14), comes out from bidet exit nozzle (19) and leaks via bidet pipe (39) due to the gasket (18) which is not closing the lower body pipe exit (30) yet by leaning to the lower body stopper (12); getting greasy of the bidet pipe (39) and coming out of the bidet pipe (39) from the lower body pipe exit (30) easier and quicker by the leakage on the bidet pipe (39), also ensuring the cleaning of the outer surface of the bidet pipe (39) before the usage by this feature.
23. A bidet (B) according to claim 12, characterized by getting clean of the outer surface of the bidet pipe (39) after the usage while the bidet (B) becomes passive (closed) by the method comprising the steps of; the bidet pressure spring (40) push the bidet pipe (39) backwards, the o-ring (10) splits from the lower body o-ring operation surface (26), the water in the lower body water access (13), passing through the front hole (25) is evacuated from the rectal cleaning exit nozzle (20) by passing through the water access drain hole (11) and water exit drain (14) meanwhile the gasket (18) split from the lower body stopper (12) and water gets out by leaking from the lower body pipe exit (30).

24. A lower body with grooved form (44) of the bidet (B) or the rectal cleaning apparatus (A), characterized by having at least one fixing drain (41) on the edge of the lower body pipe exit (30) different from the lower body (15).

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25. A rectal cleaning pipe with feathered form (45), characterized by having at least one fixing feather (42) on it, different from the rectal cleaning pipe (16).

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26. A lower body with grooved form (44) according to claim 24 and the rectal cleaning pipe with feathered form (45) according to claim 25, characterized by the fixing feathers (42) lie on the fixing drains (41).

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27. A lower body with grooved form (44) according to claim 24 and the rectal cleaning pipe with feathered form (45) according to claim 25, characterized by composing an alternative rectal cleaning apparatus by using the lower body with grooved form (44) and the rectal cleaning pipe with feathered form (45).

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28. A spring protrude (43), characterized by it's form of a snag, being one or more than one between the spring dwelling surface (7) and o-ring drain (27) in the rectal cleaning pipe with feathered form (45) and placing on the spring protrude (43) of the pressure spring (6).

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29. A spring protrude (43) according to claim 28, characterized by providing the overlapping of the pressure spring (6) axis and the rectal cleaning pipe with the feathered form (45), by composing passage space tolerance between the inner diameter of the pressure spring (6) and the outer surface of the spring protrude (43); and preventing the pressure spring (6) from moving in radial direction and generating noise during the operation in the surfaces where the pressure spring (6) sit, in the lower body protrude b (9) and spring dwelling surface (7) by eliminating the pivotal crookedness of the pressure spring (6).

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30. A spring protrude (43) according to claim 28, characterized by being able to be applied to the rectal cleaning pipe (16), as well.

31. A bidet pipe with feathered form, characterized by having at least one fixing feather (42) on it different from the bidet pipe (39).

5 32. A lower body with grooved form (44) according to claim 24 and a bidet pipe with feathered form according to claim 31, characterized by having the fixing feathers (42) lie in the fixing drains (41).

10 33. A lower body with grooved form (44) according to claim 24 and a bidet pipe with feathered form according to claim 31, characterized by composing an alternative bidet by using the lower body with grooved form (44) and the bidet pipe with feathered form.

15 34. A spring protrude (43) according to claims 28-29, characterized by its composition between the bidet pressure spring dwelling surface (38) and o-ring drain (27) in case of its usage on the bidet pipe (39) or bidet pipe with feathered form.

20 35. A rectal cleaning apparatus (A) according to claim 1 and the bidet (B) according to claim 12; alternatively to the mobile stopper (3), by plugging completely the place where the mobile stopper (3) rests at pipe backward stopper (4) side of the water exit drain (14) on the rectal cleaning pipe (16) and bidet pipe (39) or by manufacturing it as closed, providing the impermeability without using the mobile stopper (3) and being able to composed an alternative rectal cleaning pipe (16) and bidet pipe (39).